

Title (en)

GENERATION OF FLUORINE VIA THERMAL PLASMA DECOMPOSITION OF METAL FLUORIDE

Title (de)

ERZEUGUNG VON FLUOR MITTELS PLASMATHERMISCHER ZERSETZUNG VON METALLFLUORID

Title (fr)

PRODUCTION DE FLUOR PAR L'INTERMEDIAIRE DE LA DISSOCIATION D'UN FLUORURE METALLIQUE PAR PLASMA THERMIQUE

Publication

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Application

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Priority

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- US 74441391 A 19910813

Abstract (en)

[origin: WO9303997A1] A compound MF_n?, where M is a metal and n is the valency of the metal and has a value between 1 and 6, is injected through injection parts (2, 3, 4), and subjected to a thermal plasma (7) at a temperature in excess of 3000 K to dissociate it into the metal and fluorine. Also present in the reactor is an added reactant that will react with the metal or the fluorine to prevent their recombination so that there is formed fluorine gas or a fluoride other than the fluoride of the metal M.

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CPC (source: EP US)

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